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The Institute of Mechanics did not carry out the decision of the Presidium of the Academy of Sciences concerning the development of works on aerodynamics and gas dynamics, and is paying little attention to practical utilization of results. Some projects of the institute are of an abstract character.

The Power Engineering Institute did not develop works on heavy-duty electric machines and did not attempt to study possible solutions of boiler construction problems connected with utilization of high-parameter steam. There are no projects on steam and gas turbines or on the development of new improved systems of steam-electric power stations.

These defects in the activity of the Department of Technical Sciences also characterize its 1952 plan. As a result, a number of projects essential to the national economy was not included, and some were planned on an improperly low scale.

In general, the plan for 1952 includes the problems represented in the 1951 plans: problems in regard to coal, shale, peat, petroleum, pig iron, steel and nonferrous metals, a number of problems in power engineering, radio, the technology of the fabrication of new machines, automatization and telemechanization of industrial processes, computing techniques, the theory of elasticity, the theory of plasticity, etc. As in 1951, essential problems are frequently lost among numerous minor subjects. As a result, for example, works on continuous-operation production lines and automatic plants, and on the mechanization of time-consuming processes, are planned on an insufficient scale, in spite of repeated instructions from the Presidium to increase activity in these fields. The plan also does not embrace to the proper extent such industrial problems as hydraulics, transportation, and heat engines. Insufficient participation of representatives of ministries, specialized institutes, and industrial enterprises in the discussion of the activity program of the Department of Technical Sciences also had a negative effect on the entire plan of the department.

Russian Editor's Note: At present, the plan of the Department of Technical Sciences is being entirely reworked in the light of the editorial in *Pravda*, 17 September 1951, and the decree of the Presidium of the Academy of Sciences, dated 28 September 1951.

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